SOFTWARE VERSION DESCRIPTION
for the DII COE
Informix
Version 1.0.1.2

Solaris 2.5.1 and
HP-UX 10.20

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1. SCOPE

1.1 Identification

This Software Version Description (SVD) applies to the following five Informix Version 1.0.1.2 Segments:

* INFXOL - INFORMIX-OnLine Dynamic Server
* INFXEC - INFORMIX -ESQL/C
* INFXCN - Informix Connect
* INFXTD - Informix Tools Development
* INFXTR - Informix Tools Run Time

1.2 System Overview

1.2.1 INFXOL - Informix-OnLine Dynamic Server

INFORMIX-OnLine Dynamic Server is Informix's powerful, multithreaded database server that is designed to exploit the capabilities of both symmetric multiprocessor (SMP) and uniprocessor architectures to deliver breakthrough database scalability, manageability, and performance. OnLine Dynamic Server's core technology is based on Informix's Dynamic Scalable Architecture ™ (DSA), which provides the most advanced parallel database architecture available for empowering today's distributed enterprise—from the desktop to departments to the data center. DSA is designed explicitly to help you manage increasingly larger and more complex databases while substantially improving overall system performance and scalability.

OnLine Dynamic Server provides superior transaction processing and optimal decision support through parallel data query (PDQ) technology, high availability, data integrity, mainframe-caliber administration, enterprise replication facilities, graphical monitoring tools, client/server and Web connectivity, and multimedia capabilities—all within a single, client/server-ready package. OnLine Dynamic Server supports Informix's entire line of SQL-based application development tools and a large number of third-party tools, and runs on a wide range of UNIX-based and Windows-NT computer systems in stand-alone or networked environments.

1.2.2 INFXEC - Informix-ESQL/C

Informix-ESQL/C (Embedded SQL for C) allows developers to access highly efficient SQL database capabilities, including high-level data definition and manipulation commands and SQL query optimization facilities from within a C language program. In addition, Informix-ESQL/C conforms to the ANSI SQL standard, so developers don't have to learn different data access methods when accessing data from Informix database servers as well as other database servers.

Informix-ESQL/C provides thread-safe versions of the Informix general libraries, which are capable of supporting multiple active connections to one or more database servers. This feature

allows you to develop multithreaded applications with multiple active connections per application.

1.2.3 INFXCN - Informix Connect

Informix Connect is the run-time component of the Informix Client Software Development Kit. The segment contains the INFORMIX-Connect and INFORMIX-CLI products. INFORMIX-Connect enables access to Informix database engines from any Informix application. INFORMIX-CLI provides an industry standard ODBC driver for accessing Informix databases.

1.2.4 INFXTD - Informix Tools Development

This segment is composed of three Informix development tools: INFORMIX-4GL Compiler (4GL), INFORMIX-4GL Rapid Development System (4GL RDS), and INFORMIX-SQL (ISQL).

INFORMIX-SQL is a character-based, menu driven utility for developing small to medium size database applications. It allows a power-user or developer to quickly build database forms or reports without the need for any programming.

INFORMIX-4GL is a full-featured fourth generation language for developing Informix database applications. For creating customized applications, INFORMIX-4GL has pop-up windows, color, built-in help, non-procedural report specifications, complete procedural flow control and other facilities. You can also create your own ring menus and utilize flexible scrolling arrays, all of which increase productivity during development and production.

INFORMIX-4GL's combination of procedural and non-procedural statements gives you all the customizing power you'll ever need without the need for third-generation languages such as C or COBOL. Procedural statements give developers complete flexibility, while non-procedural statements such as OPEN WINDOW, MENU, SELECT, DISPLAY, FORM, and INPUT save developers from writing hundreds of lines of detailed code.

4GL RDS, the interpreted version of INFORMIX-4GL, increases developer productivity by decreasing compilation time. Developers don't have to wait long for programs to compile with 4GL RDS because the product is optimized to reduce compile times. Code written with 4GL RDS is compiled into pseudo-code (p-code), read into memory, and executed by a p-code runner.

Once you've completed development and are ready to move into the production environment, you'll want the fastest possible performance.

4GL maximizes application performance by taking the INFORMIX-4GL source code and compiling it into standard C code which is then compiled into machine code. By compiling it into machine code, 4GL enables users to take full advantage of the speed of the computer.

1.2.5 INFXTR - Informix Tools Run Time

This segment is composed of three Informix run time tools: INFORMIX-4GL Compiler RT, INFORMIX-4GL Rapid Development System RT, and INFORMIX-SQL RT.

This segment must be used when deploying INFORMIX-SQL or INFORMIX-4GL (Compiled or RDS) developed applications.

1.3 Document Overview

The purpose of this SVD is to identify and describe the INFXOL, INFXEC, INFXCN, INFXTD, and INFXTR segments. Section 2 is a list of the documents referenced in this manual. Section 3 describes version 1.0.1.2 of the INFORMIX Software.

2. REFERENCED DOCUMENTS

- INFORMIX UNIX Products Installation Guide, Version 7.21, dated August 1996
- INFORMIX-OnLine Dynamic Server Administrator's Guide, Version 7.2, Volume 1, Chapter 3, dated April 1996
- INFORMIX-ESQL/C Programmer's Manual, Version 7.2, Chapter 9, dated April 1996

3. VERSION DESCRIPTION

3.1 Inventory of Materials Released

For Sun Solaris, the COE Informix Software, Version 1.0.1.2 is released as five segments (INFXOL, INFXEC, INFXCN, INFXTD, and INFXTR) on an 8 mm tape in UNIX tar format.

For HP, the COE Informix Software, Version 1.0.1.2 is released as five segments (INFXOL, INFXEC, INFXCN, INFXTD, and INFXTR) on a 4 mm Digital Audio Tape (DAT) in UNIX tar format.

3.2 Inventory of Software Contents

The DII COE Informix Software segments, version 1.0.1.2 consist of the following files:

Directory structure:

```
INFXOL/
        InfxOL722.tar   Scripts/        SegDescrip/

INFXEC/
        InfxESQL722.tar   Scripts/        SegDescrip/

INFXCN/
        InfxCLI25.tar  InfxCN722.tar  Scripts/   SegDescrip/
```

INFXTD/
Infx4gl.tar Infx4gp.tar InfxSql.tar Scripts/ SegDescrip/

INFXTR/
Infx4glRT.tar Infx4gpRT.tar InfxSqlRT.tar Scripts/ SegDescrip/

The INFORMIX-OnLine Dynamic Server product is contained in the **InfxOL722.tar** file.
The INFORMIX-ESQL/C product is in the **InfxESQL722.tar** file.
The INFORMIX-Connect and INFORMIX-CLI products are in the **InfxCN722.tar** and InfxCLI25.tar files respectively.
The INFORMIX-4GL, INFORMIX-4GL Rapid Development System, and the INFORMIX-SQL products are in the Infx4gl.tar, Infx4gp.tar, and InfxSql.tar files respectively.
The INFORMIX-4GL RunTime, INFORMIX-4GL Rapid Development System RunTime, and the INFORMIX-SQL RunTime products are in the Infx4glRT.tar, Infx4gpRT.tar, and InfxSqlRT.tar files respectively.
All tar files are relative to the current directory.

SegDescrip contains release notes, version notes, and DII COE configuration setup parameters.

Scripts contains installation scripts.

3.3 Related Documents

None.

3.4 Installation Instructions

Installation instructions for each of the segments are supplied as separate documents with this software submission.

3.5 Possible Problems and Known Errors

There are several possible load combinations possible with the Informix segments. As a rule, the Informix-OnLine engine is always loaded last if two or more products are being installed.

4. NOTES

Last minute notes, known problems, and workarounds are documented in the Informix products release directory provided with the products. After successfully installing a segment, the release notes will be contained in the **/opt/informix/release/en_us/0333** directory or the /opt/informix/release directory.

Release notes for Informix-OnLine are contained in the **ONLINE_7.2** and **SERVER_7.2** files.
Release notes for Informix-ESQL/C are contained in the **ESQLC_7.2** and **ESQLCDOC_7.2** files.
Release notes for Informix-4GL are contained in the **4GL_6.0** and **4GLDOC_6.0** files.
Release notes for Informix-4GL RDS are contained in the **RDS_6.0** and **RDSDOC_6.0** files.
Release notes for Informix-SQL are contained in the **SQL_6.0** and **SQLDOC_6.0** files.
There are no release notes for Informix-Connect or RunTime products.